

***2010***

***VIRGINIA MINING INSTITUTE***

***MINE RESCUE CONTEST***

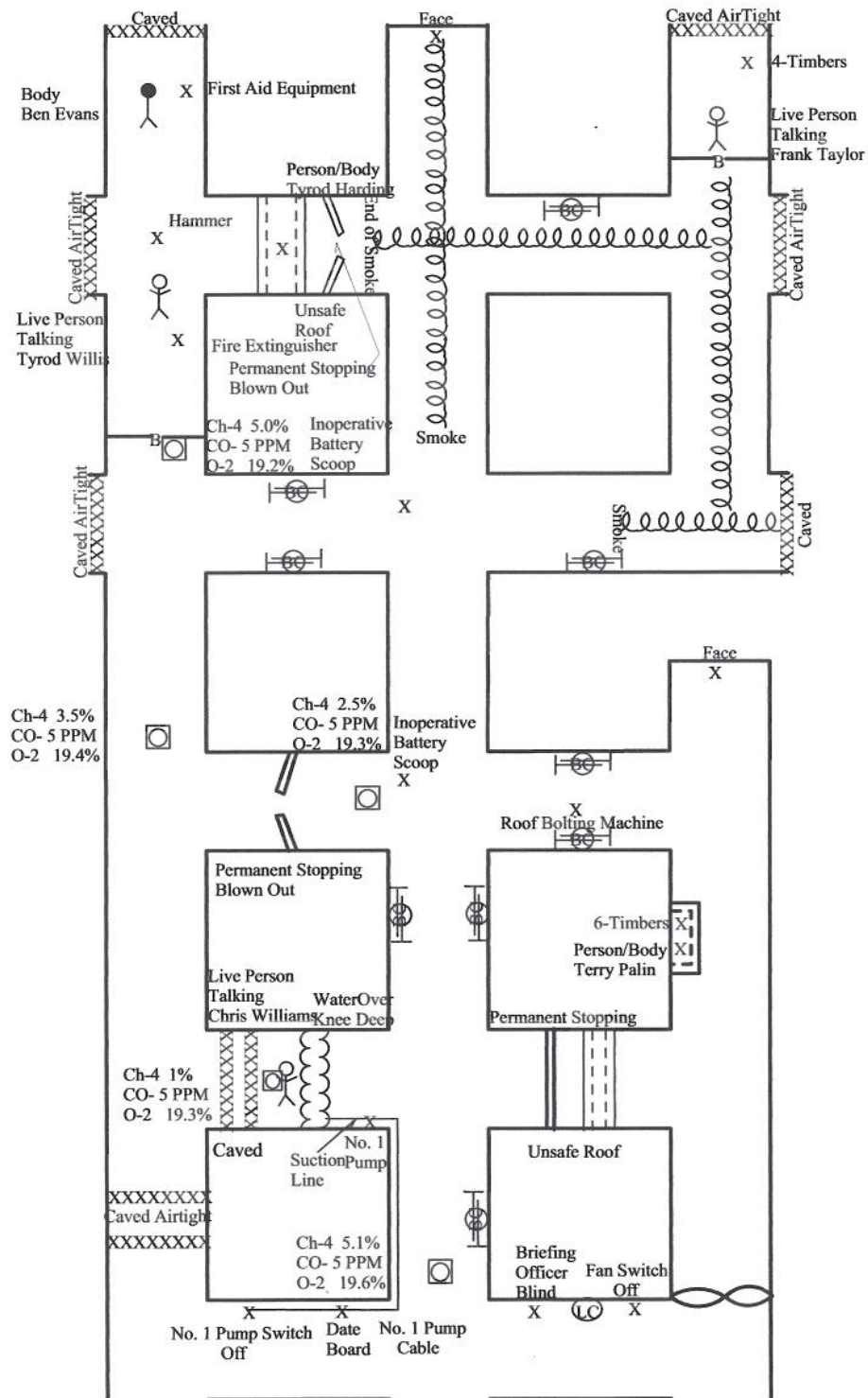
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***FIELD INFORMATION***

# Virginia Mining Institute

## Mine Rescue Contest – 2010

### PROBLEM MAP



**Virginia Mining Institute**  
**V-2- 10**  
**CHAIRMAN'S INSTRUCTION**

- Before the team arrives on the field, the Chairman will check the field for mistakes and placard placement.
- The Chairman is responsible to account for all judges.
- The Chairman is responsible for the stopwatch and for its return to Wayne Davis.
- The Chairman will assign a judge to be the official timekeeper.
- The Chairman, or other judge designated by the Chairman, is responsible for turning all placards.
- The Chairman will place *Patient No. 1* behind the water over knee deep 1<sup>st</sup> x-cut inby portal between # 1 and # 2 entry, when team starts in the mine. *Instruct patient to start reading Patient Note # 1 when team enters the intersection.*
- The Chairman will place Patient No. 2 behind the barricade in the # 1 entry after he is recovered from behind the water over knee deep. Instruct patient to start reading note # 2 when team enters intersection outby barricade. "Have patient to stand just inby barricade, *When team timbers into area behind barricade instruct patient to stand in the intersection.*
- When team leaves barricade in the # 1 entry, *the chairman will place patient no. 3 behind barricade in # 3 entry. Give patient note # 3 and instruct him to start reading note # 3 when team enters intersection outby barricade.*
- The Chairman is responsible for having all the judges return to the surface at the completion of the problem and must receive both maps from the working team after the clock is stopped.
- The Chairman will check the time clock with the official timekeeper at the end of the problem. (Minutes and seconds must be put on the working team's scorecard)
- At the completion of the problem, *the Chairman, one judge and the team captain will check the mine and mark on a blank map how the ventilation controls were left by the working team. Have the team captain sign the completed ventilation map. This map will be submitted to the Map Examiners.*
- The Chairman is responsible for having all judges, including the Superintendent, fill out and sign the scorecards after the completion of the problem.

## **Virginia Mining Institute 2010 Superintendent Instructions**

**The Superintendent shall assist the Field Manager in checking the field for mistakes and placard placement prior to any team starting the Problem.**

- **When the team arrives and is ready, the Superintendent shall read the prepared Statement but will not answer questions regarding the Problem or conditions in the mine.**
- **A maximum of five (5) minutes will be allowed for the team to review the Statement after the Superintendent reads it to them.**
- **After the team starts the clock, the Superintendent will present the Written Problem and Maps to the team. Give them a copy of the prepared Statement as well.**
- **After giving the Problem and Maps to the team, the Superintendent will go to the Command Center to respond to any communications with the Briefing Officer.**
- **The team is required to establish communications with the Command Center prior to entire team traveling inby the mine portal.**
- **The Superintendent is to record the Time and the Name of each missing person when the Superintendent is notified by the Briefing Officer.**
- **If the team chooses to use radios for their communications the superintendent shall monitor all communications on the radio given to him. Also, he can not talk on the radio, but respond on the mine phone when paged.**
- **The Superintendent will assist Judges in filling out the scorecards upon conclusion of the problem.**



**Virginia Mining Institute**  
**Mine Rescue Contest – 2009**  
**Written Statement**

**I am \_\_\_\_\_, Superintendent of the No offense Coal Company, No. 6 mine. An explosion occurred at this mine several hours ago. We have 6 miners who are unaccounted for.**

**You are located on the surface of the mine. One week ago this mine intersected an old abandon mine. Since we cut into the old mine we have been rehabbing the area in front of this mine to install seals across the old entries in order to continue mining.**

**This morning at 7:00am, 7 men entered the mine to continue clean up work. At 7:30am one man returned to the surface reporting that an ignition had occurred and that smoke was detected in the area where the men were working. Several attempts to contact the missing miners have been unsuccessful.**

**The exhaust fan located in the # 3 entry is presently off but is operational if needed. When started it will be exhausting and can not be turned off or reversed.**

**All electrical power to the underground areas of the mine has been De-energized but is available to fan and pump switch located near the mine portal.**

## **V-2-10 Statement**

**A command Center has been established on the surface of the mine and will function to coordinate information and instructions to the team as they work through the mine.**

**The mine map was updated 2 days ago. A back up mine rescue team is available.**

**We have a competent lifeline attendant (Point out the lifeline attendant). Two blank mine maps, a copy of this statement, and your team's written instructions will be provided you when you are ready to begin work.**

**Virginia Mining Institute**  
**Mine Rescue Contest – 2010**

**Team Instructions**  
**Problem**

- The briefing officer shall establish communications with the command center prior to the entire team going underground.
- Rescue all live persons and bring them to the surface.
- If it can be done safely, Account for all missing miners .
- The team shall notify the command center immediately (prior to making team move) of:
  1. The identity and location of any missing persons found.
- The team cannot move a structure identified as a “Permanent Stopping or Barricade”.

A time limit of 80 minutes has been established for this problem. The team will be advised 10 minutes prior to this time limit expiring.

**Virginia Mining Institute**  
**V-2– 10**  
**Patient Note 1**

**“ Help, Help, get me out..... It is  
caved behind me.”**

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**V-2 – 10**  
**Patient Note 2**

**“ Help, Help, get me out..... Myself  
and two other miners are behind the  
Barricade.”**

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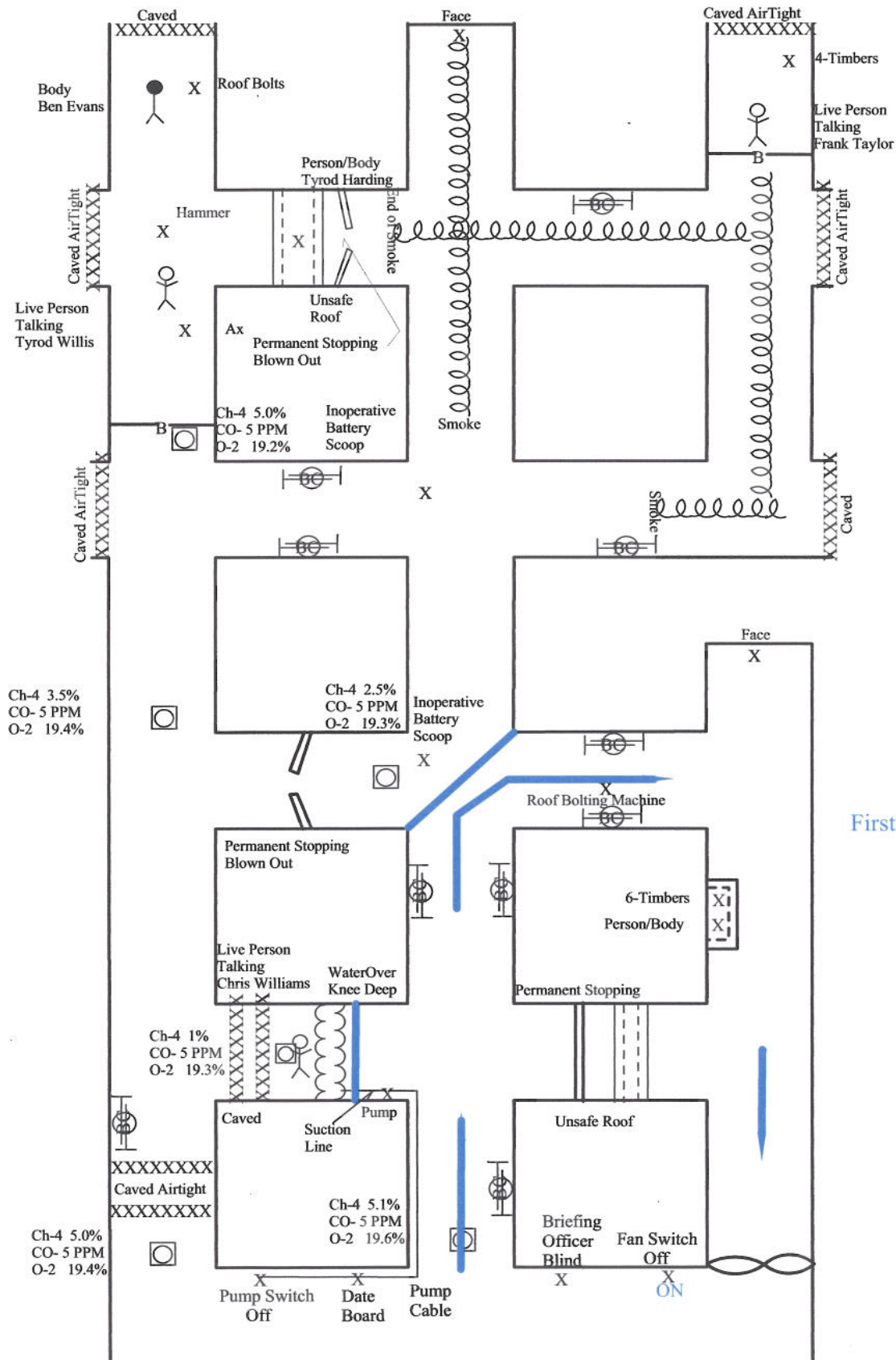
**V-2– 10**  
**Patient Note #3**

**“ Help, Help, get me out..... It is  
Caved Airtight Behind Me.”**



# First Ventilation

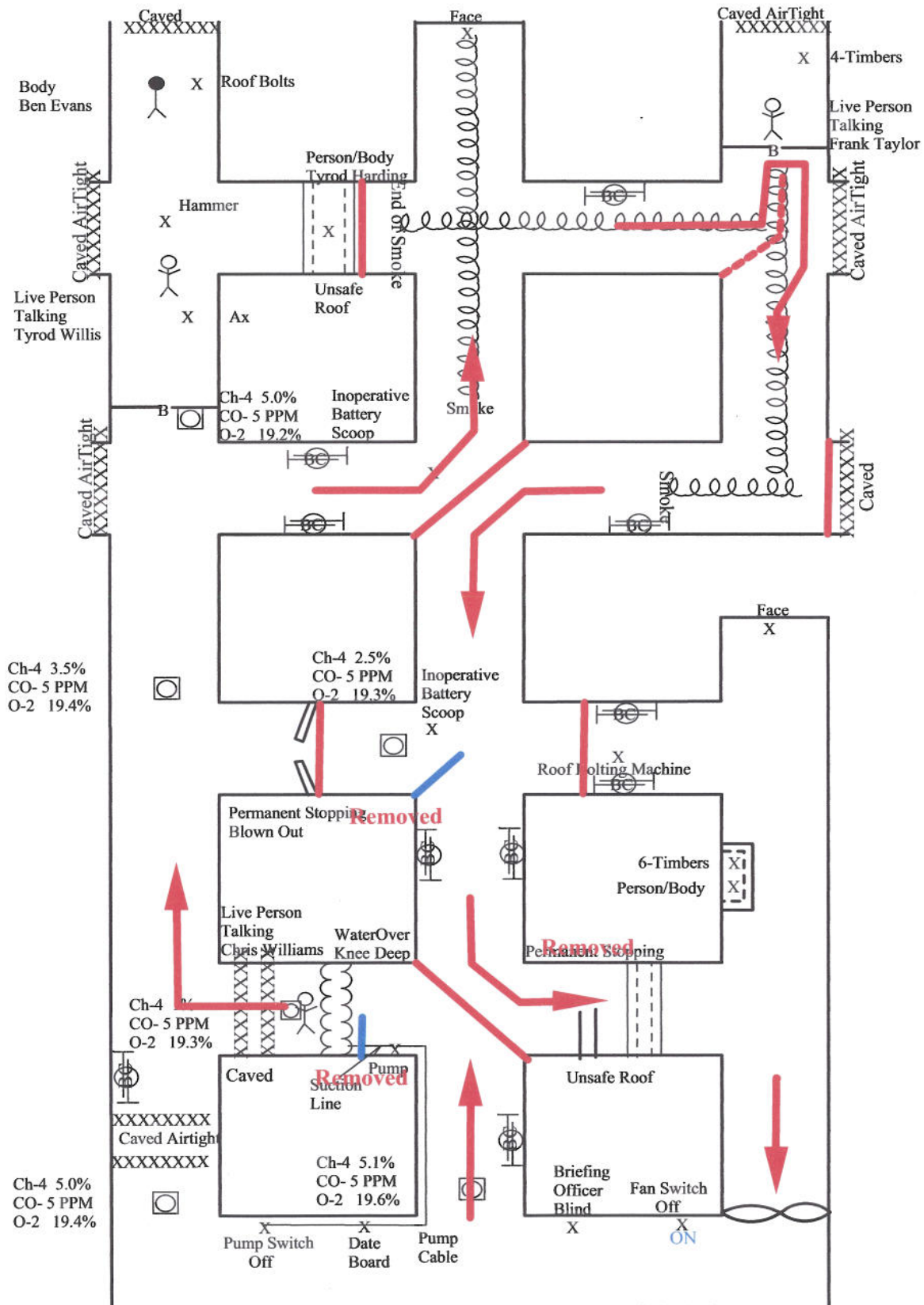
V-2-10



First Ventilation

## Second Ventilation

V-2-10

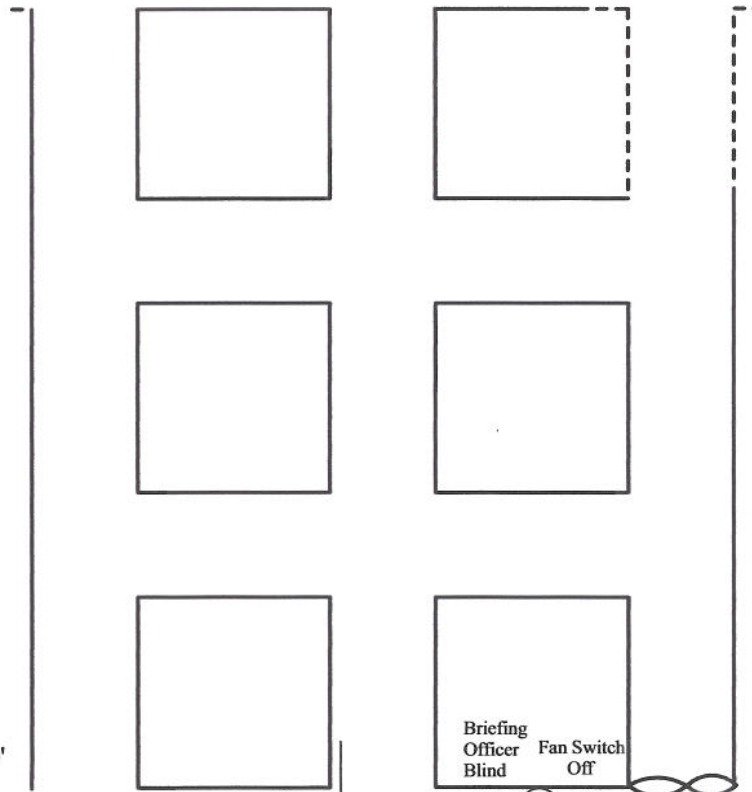
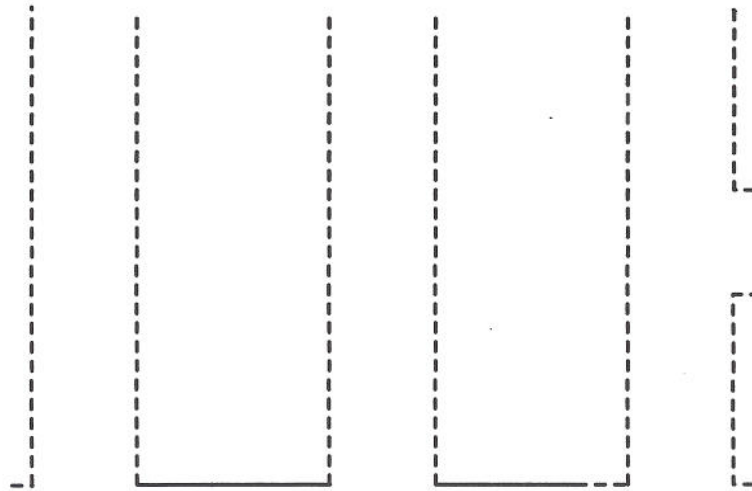


# Virginia Mining Institute

## Mine Rescue Contest – 2010

### TEAM MAP

Team # \_\_\_\_\_



Scale: 1" = 10'

X
X
  
 No. 1 Pump Switch      Date      No. 1 Pump
   
 Off                      Board              Cable

Briefing      Fan Switch
   
 Officer      Off
   
 Blind      Off
   
 X      (LC)      X

